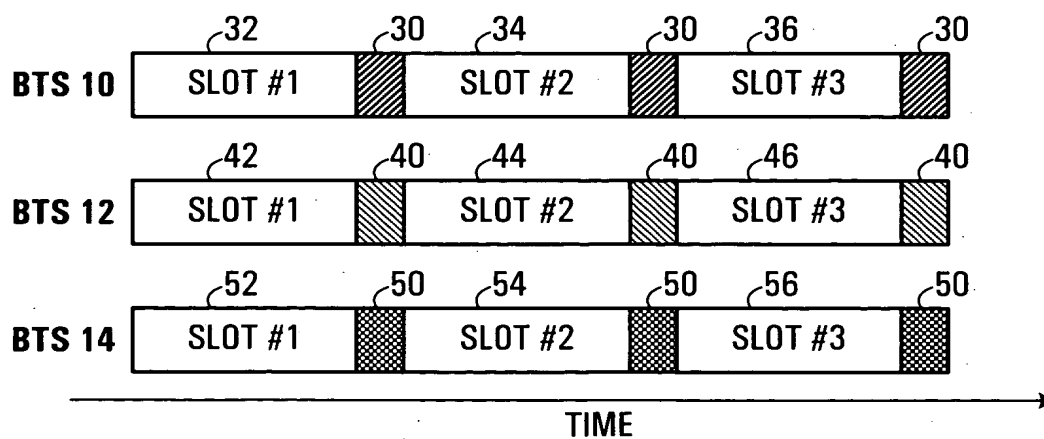




FIG. 2



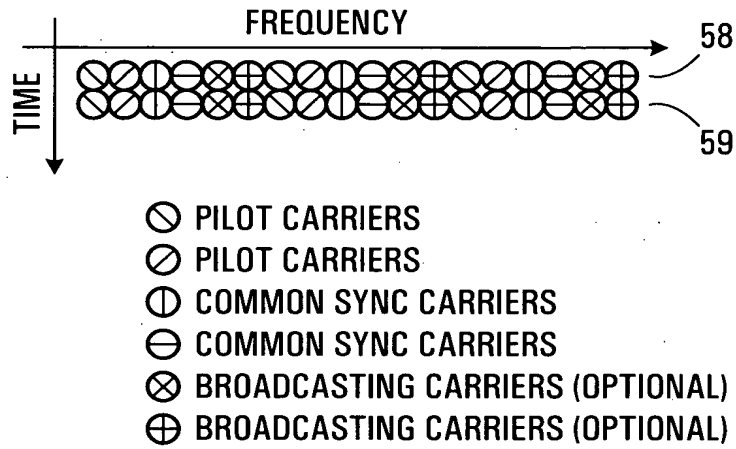


FIG. 3

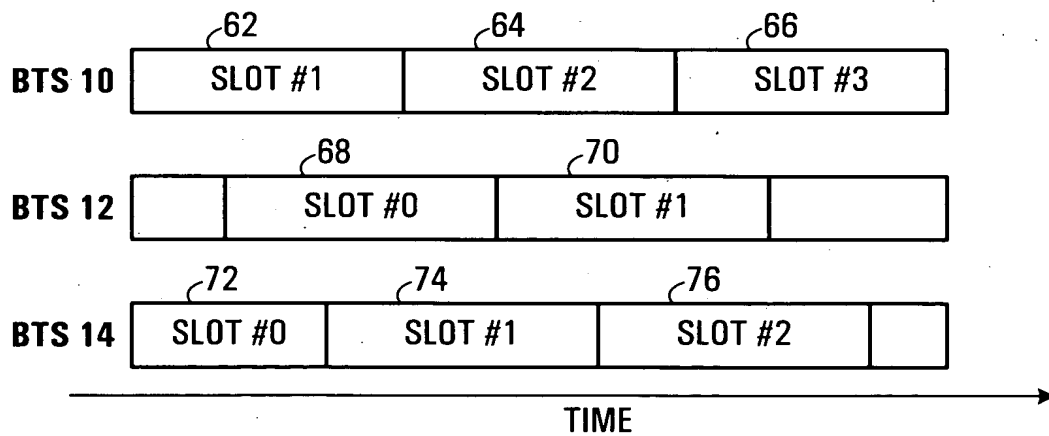
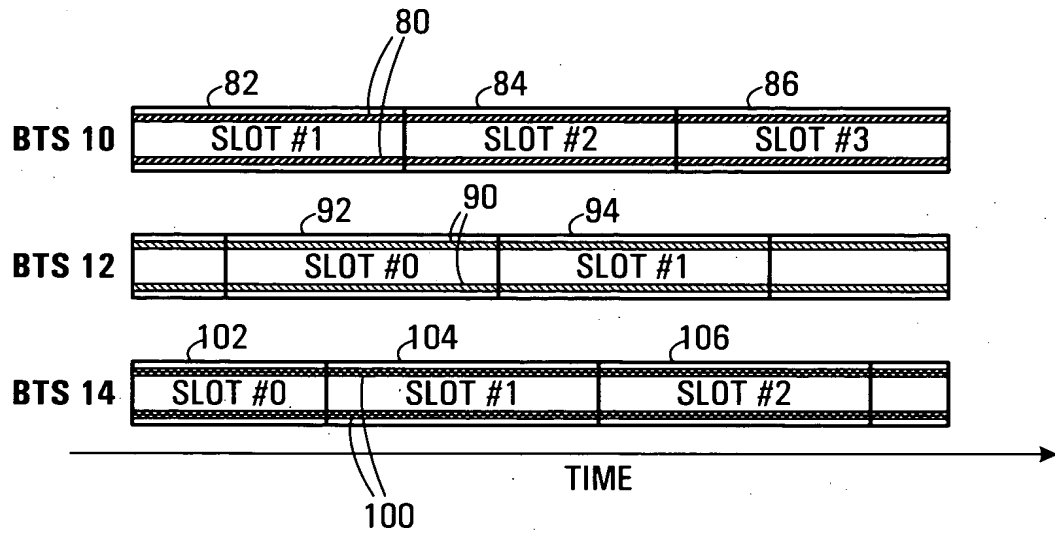
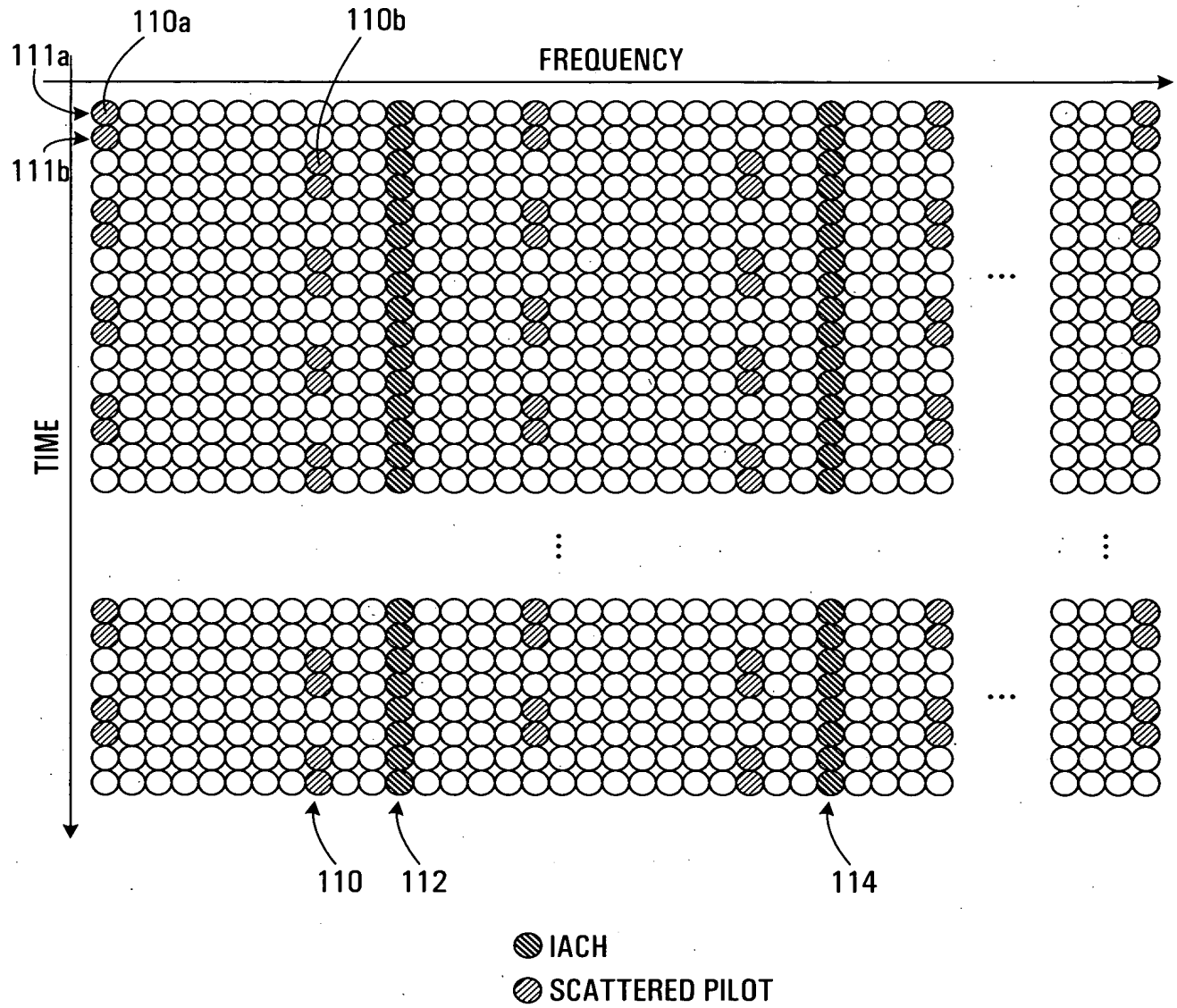


FIG. 4



**FIG. 5**

**FIG. 6**

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| Scrambling<br>Code Group | slot number |    |    |    |    |    |    |    |    |    |     |     |     |     |     |
|--------------------------|-------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
|                          | #0          | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | #9 | #10 | #11 | #12 | #13 | #14 |
| Group 0                  | 1           | 1  | 2  | 8  | 9  | 10 | 15 | 8  | 10 | 16 | 2   | 7   | 15  | 7   | 16  |
| Group 1                  | 1           | 1  | 5  | 16 | 7  | 3  | 14 | 16 | 3  | 10 | 5   | 12  | 14  | 12  | 10  |
| Group 2                  | 1           | 2  | 1  | 15 | 5  | 5  | 12 | 16 | 6  | 11 | 2   | 16  | 11  | 15  | 12  |
| Group 3                  | 1           | 2  | 3  | 1  | 8  | 6  | 5  | 2  | 5  | 8  | 4   | 4   | 6   | 3   | 7   |
| Group 4                  | 1           | 2  | 16 | 6  | 6  | 11 | 15 | 5  | 12 | 1  | 15  | 12  | 16  | 11  | 2   |
| Group 5                  | 1           | 3  | 4  | 7  | 4  | 1  | 5  | 5  | 3  | 6  | 2   | 8   | 7   | 6   | 8   |
| Group 6                  | 1           | 4  | 11 | 3  | 4  | 10 | 9  | 2  | 11 | 2  | 10  | 12  | 12  | 9   | 3   |
| Group 7                  | 1           | 5  | 6  | 6  | 14 | 9  | 10 | 2  | 13 | 9  | 2   | 5   | 14  | 1   | 13  |
| Group 8                  | 1           | 6  | 10 | 10 | 4  | 11 | 7  | 13 | 16 | 11 | 13  | 6   | 4   | 1   | 16  |
| Group 9                  | 1           | 6  | 13 | 2  | 14 | 2  | 6  | 5  | 5  | 13 | 10  | 9   | 1   | 14  | 10  |
| Group 10                 | 1           | 7  | 8  | 5  | 7  | 2  | 4  | 3  | 8  | 3  | 2   | 6   | 6   | 4   | 5   |
| Group 11                 | 1           | 7  | 10 | 9  | 16 | 7  | 9  | 15 | 1  | 8  | 16  | 8   | 15  | 2   | 2   |
| Group 12                 | 1           | 8  | 12 | 9  | 9  | 4  | 13 | 16 | 5  | 1  | 13  | 5   | 12  | 4   | 8   |
| Group 13                 | 1           | 8  | 14 | 10 | 14 | 1  | 15 | 15 | 8  | 5  | 11  | 4   | 10  | 5   | 4   |
| Group 14                 | 1           | 9  | 2  | 15 | 15 | 16 | 10 | 7  | 8  | 1  | 10  | 8   | 2   | 16  | 9   |
| Group 15                 | 1           | 9  | 15 | 6  | 16 | 2  | 13 | 14 | 10 | 11 | 7   | 4   | 5   | 12  | 3   |
| Group 16                 | 1           | 10 | 9  | 11 | 15 | 7  | 6  | 4  | 16 | 5  | 2   | 12  | 13  | 3   | 14  |
| Group 17                 | 1           | 11 | 14 | 4  | 13 | 2  | 9  | 10 | 12 | 16 | 8   | 5   | 3   | 15  | 6   |
| Group 18                 | 1           | 12 | 12 | 13 | 14 | 7  | 2  | 8  | 14 | 2  | 1   | 13  | 11  | 8   | 11  |
| Group 19                 | 1           | 12 | 15 | 5  | 4  | 14 | 3  | 16 | 7  | 8  | 6   | 2   | 10  | 11  | 13  |
| Group 20                 | 1           | 15 | 4  | 3  | 7  | 6  | 10 | 13 | 12 | 5  | 14  | 16  | 8   | 2   | 11  |
| Group 21                 | 1           | 16 | 3  | 12 | 11 | 9  | 13 | 5  | 8  | 2  | 14  | 7   | 4   | 10  | 15  |
| Group 22                 | 2           | 2  | 5  | 10 | 16 | 11 | 3  | 10 | 11 | 8  | 5   | 13  | 3   | 13  | 8   |
| Group 23                 | 2           | 2  | 12 | 3  | 15 | 5  | 8  | 3  | 5  | 14 | 12  | 9   | 8   | 9   | 14  |
| Group 24                 | 2           | 3  | 6  | 16 | 12 | 16 | 3  | 13 | 13 | 6  | 7   | 9   | 2   | 12  | 7   |
| Group 25                 | 2           | 3  | 8  | 2  | 9  | 15 | 14 | 3  | 14 | 9  | 5   | 5   | 15  | 8   | 12  |
| Group 26                 | 2           | 4  | 7  | 9  | 5  | 4  | 9  | 11 | 2  | 14 | 5   | 14  | 11  | 16  | 16  |
| Group 27                 | 2           | 4  | 13 | 12 | 12 | 7  | 15 | 10 | 5  | 2  | 15  | 5   | 13  | 7   | 4   |
| Group 28                 | 2           | 5  | 9  | 9  | 3  | 12 | 8  | 14 | 15 | 12 | 14  | 5   | 3   | 21  | 5   |
| Group 29                 | 2           | 5  | 11 | 7  | 2  | 11 | 9  | 4  | 16 | 7  | 16  | 9   | 14  | 14  | 4   |
| Group 30                 | 2           | 6  | 2  | 13 | 3  | 3  | 12 | 9  | 7  | 16 | 6   | 9   | 16  | 13  | 12  |
| Group 31                 | 2           | 6  | 9  | 7  | 7  | 16 | 13 | 3  | 12 | 2  | 13  | 12  | 9   | 16  | 6   |
| Group 32                 | 2           | 7  | 12 | 15 | 2  | 12 | 4  | 10 | 13 | 15 | 13  | 4   | 5   | 5   | 10  |
| Group 33                 | 2           | 7  | 14 | 16 | 5  | 9  | 2  | 9  | 16 | 11 | 11  | 5   | 7   | 4   | 14  |
| Group 34                 | 2           | 8  | 5  | 12 | 5  | 2  | 14 | 14 | 8  | 15 | 3   | 9   | 12  | 15  | 9   |
| Group 35                 | 2           | 9  | 13 | 4  | 2  | 13 | 8  | 11 | 6  | 4  | 6   | 8   | 15  | 15  | 11  |
| Group 36                 | 2           | 10 | 3  | 2  | 13 | 16 | 8  | 10 | 8  | 13 | 11  | 11  | 16  | 3   | 5   |
| Group 37                 | 2           | 11 | 15 | 3  | 11 | 6  | 14 | 10 | 15 | 10 | 6   | 7   | 7   | 14  | 3   |
| Group 38                 | 2           | 16 | 4  | 5  | 16 | 14 | 7  | 11 | 4  | 11 | 14  | 9   | 9   | 7   | 5   |
| Group 39                 | 3           | 3  | 4  | 6  | 11 | 12 | 13 | 6  | 12 | 14 | 4   | 5   | 13  | 5   | 14  |
| Group 40                 | 3           | 3  | 6  | 5  | 16 | 9  | 15 | 5  | 9  | 10 | 6   | 4   | 15  | 4   | 10  |
| Group 41                 | 3           | 4  | 5  | 14 | 4  | 6  | 12 | 13 | 5  | 13 | 6   | 11  | 11  | 12  | 14  |
| Group 42                 | 3           | 4  | 9  | 16 | 10 | 4  | 16 | 15 | 3  | 5  | 10  | 5   | 15  | 6   | 6   |
| Group 43                 | 3           | 4  | 16 | 10 | 5  | 10 | 4  | 9  | 9  | 16 | 15  | 6   | 3   | 5   | 15  |

FIG. 7A

| Scrambling<br>Code Group | slot number |    |    |    |    |    |    |    |    |    |     |     |     |     |     |
|--------------------------|-------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
|                          | #0          | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | #9 | #10 | #11 | #12 | #13 | #14 |
| Group 44                 | 3           | 5  | 12 | 11 | 14 | 5  | 11 | 13 | 3  | 6  | 14  | 6   | 13  | 4   | 4   |
| Group 45                 | 3           | 6  | 4  | 10 | 6  | 5  | 9  | 15 | 4  | 15 | 5   | 16  | 16  | 9   | 10  |
| Group 46                 | 3           | 7  | 8  | 8  | 16 | 11 | 12 | 4  | 15 | 11 | 4   | 7   | 16  | 3   | 15  |
| Group 47                 | 3           | 7  | 16 | 11 | 4  | 15 | 3  | 15 | 11 | 12 | 12  | 4   | 7   | 8   | 16  |
| Group 48                 | 3           | 8  | 7  | 15 | 4  | 8  | 15 | 12 | 3  | 16 | 4   | 16  | 12  | 11  | 11  |
| Group 49                 | 3           | 8  | 15 | 4  | 16 | 4  | 8  | 7  | 7  | 15 | 12  | 11  | 3   | 16  | 12  |
| Group 50                 | 3           | 10 | 10 | 15 | 16 | 5  | 4  | 6  | 16 | 4  | 3   | 15  | 9   | 6   | 9   |
| Group 51                 | 3           | 13 | 11 | 5  | 4  | 12 | 4  | 11 | 6  | 6  | 5   | 3   | 14  | 13  | 12  |
| Group 52                 | 3           | 14 | 7  | 9  | 14 | 10 | 13 | 8  | 7  | 8  | 10  | 4   | 4   | 13  | 9   |
| Group 53                 | 5           | 5  | 8  | 14 | 16 | 13 | 6  | 14 | 13 | 7  | 8   | 15  | 6   | 15  | 7   |
| Group 54                 | 5           | 6  | 11 | 7  | 10 | 8  | 5  | 8  | 7  | 12 | 12  | 10  | 6   | 9   | 11  |
| Group 55                 | 5           | 6  | 13 | 8  | 13 | 5  | 7  | 7  | 6  | 16 | 14  | 15  | 8   | 16  | 15  |
| Group 56                 | 5           | 7  | 9  | 10 | 7  | 11 | 6  | 12 | 9  | 12 | 11  | 8   | 8   | 6   | 10  |
| Group 57                 | 5           | 9  | 6  | 8  | 10 | 9  | 8  | 12 | 5  | 11 | 10  | 11  | 12  | 7   | 7   |
| Group 58                 | 5           | 10 | 10 | 12 | 8  | 11 | 9  | 7  | 8  | 9  | 5   | 12  | 6   | 7   | 6   |
| Group 59                 | 5           | 10 | 12 | 6  | 5  | 12 | 8  | 9  | 7  | 6  | 7   | 8   | 11  | 11  | 9   |
| Group 60                 | 5           | 13 | 15 | 15 | 14 | 8  | 6  | 7  | 16 | 8  | 7   | 13  | 14  | 5   | 16  |
| Group 61                 | 9           | 10 | 13 | 10 | 11 | 15 | 15 | 9  | 16 | 12 | 14  | 13  | 16  | 14  | 11  |
| Group 62                 | 9           | 11 | 12 | 15 | 12 | 9  | 13 | 13 | 11 | 14 | 10  | 16  | 15  | 14  | 16  |
| Group 63                 | 9           | 12 | 10 | 15 | 13 | 14 | 9  | 14 | 15 | 11 | 11  | 13  | 12  | 16  | 10  |

FIG. 7B

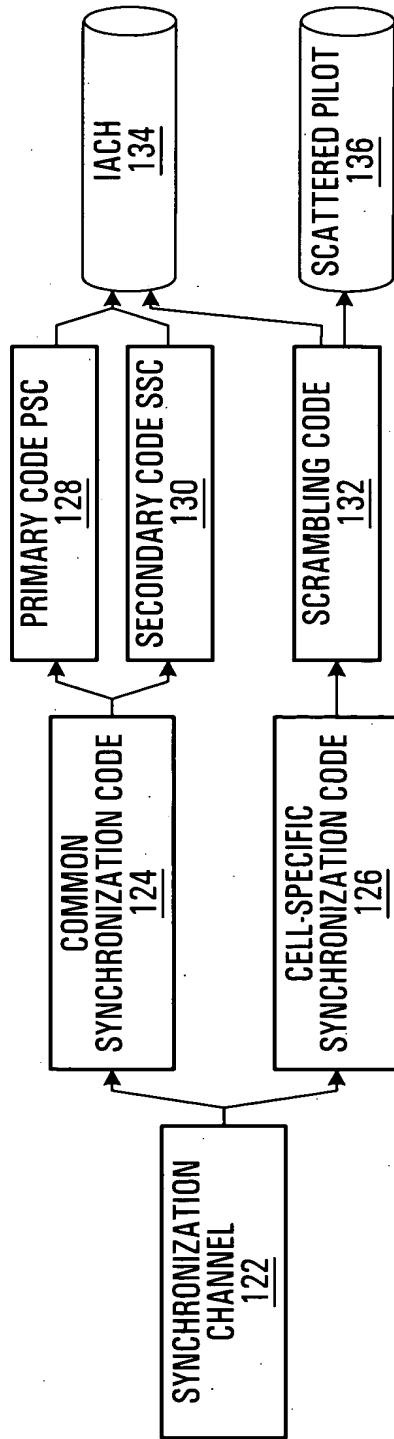


FIG. 8

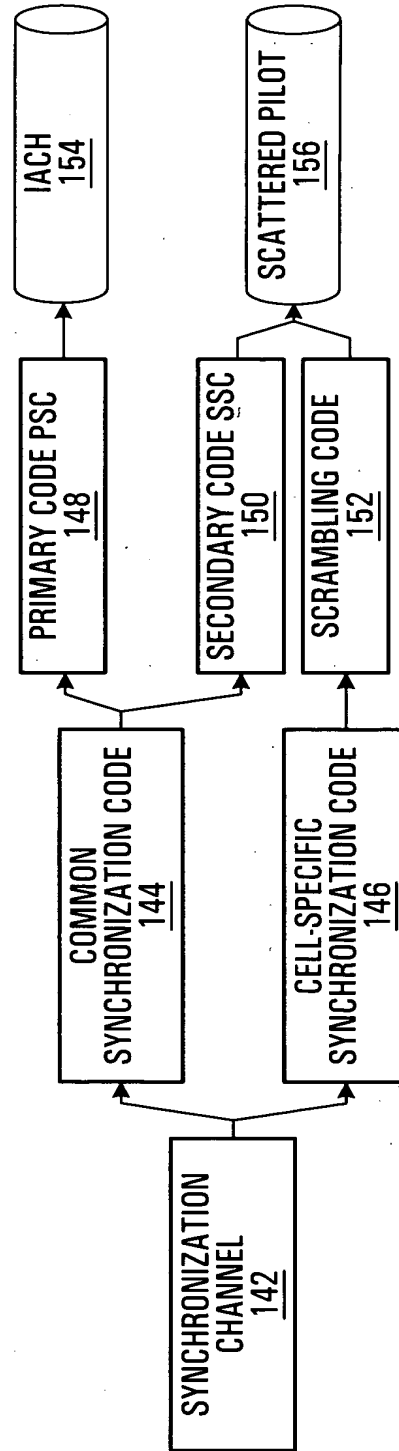
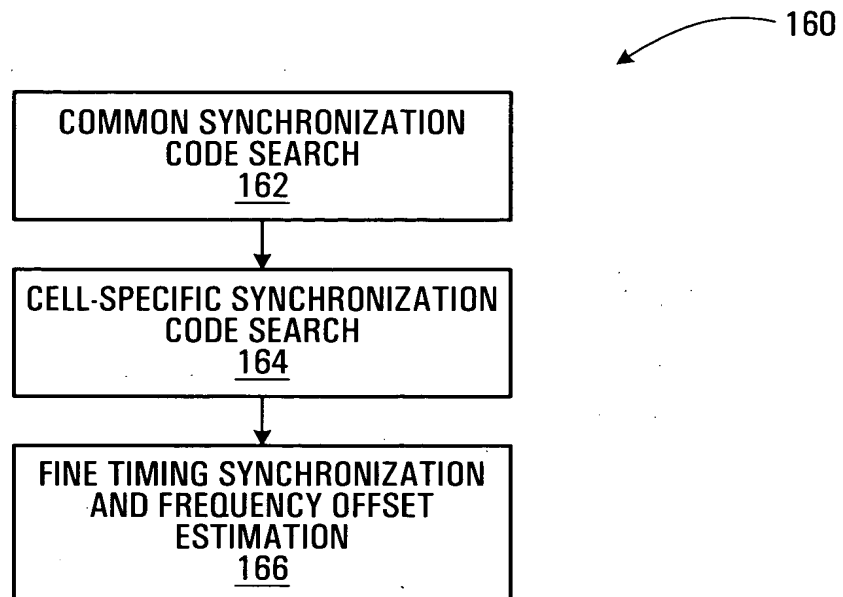


FIG. 9

**FIG. 10**



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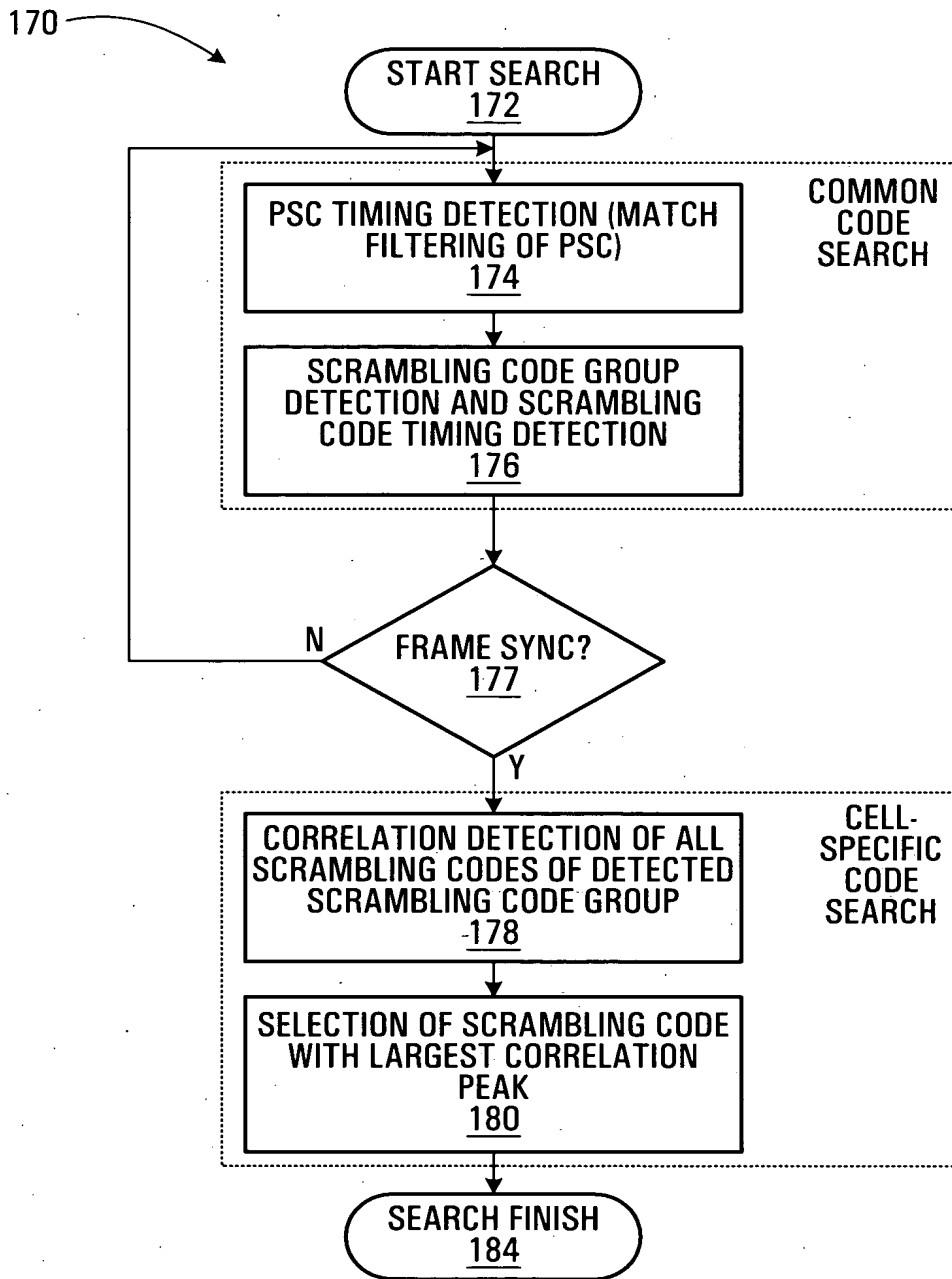


FIG. 11

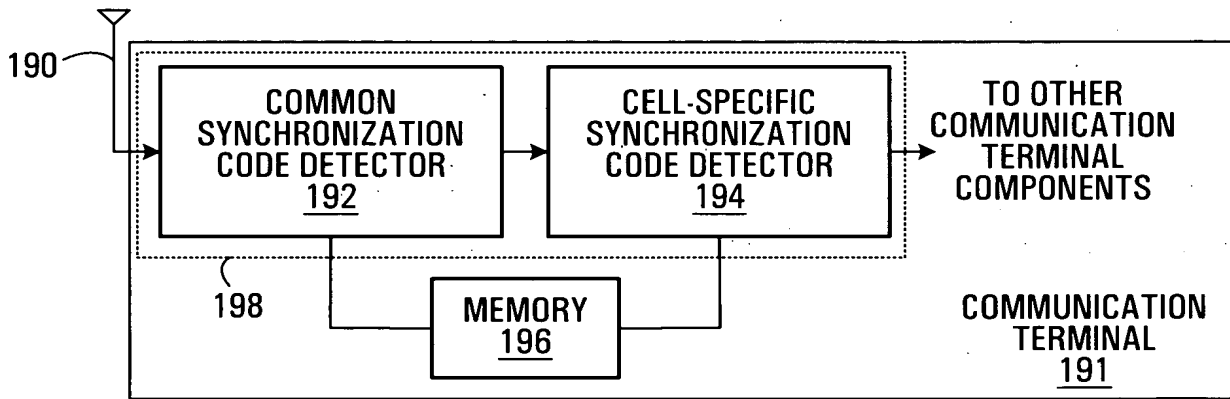


FIG. 12

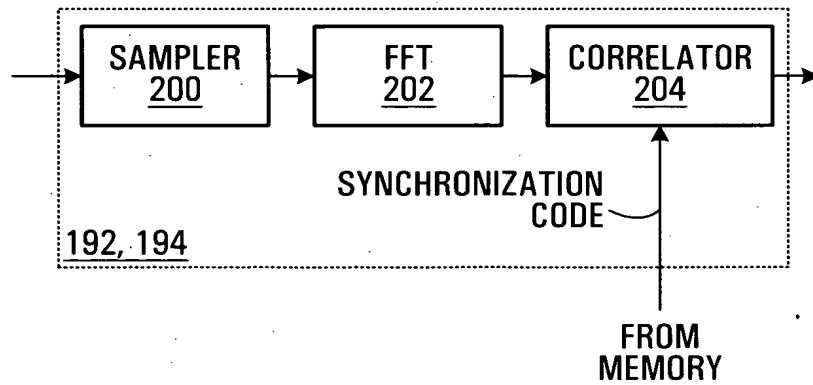
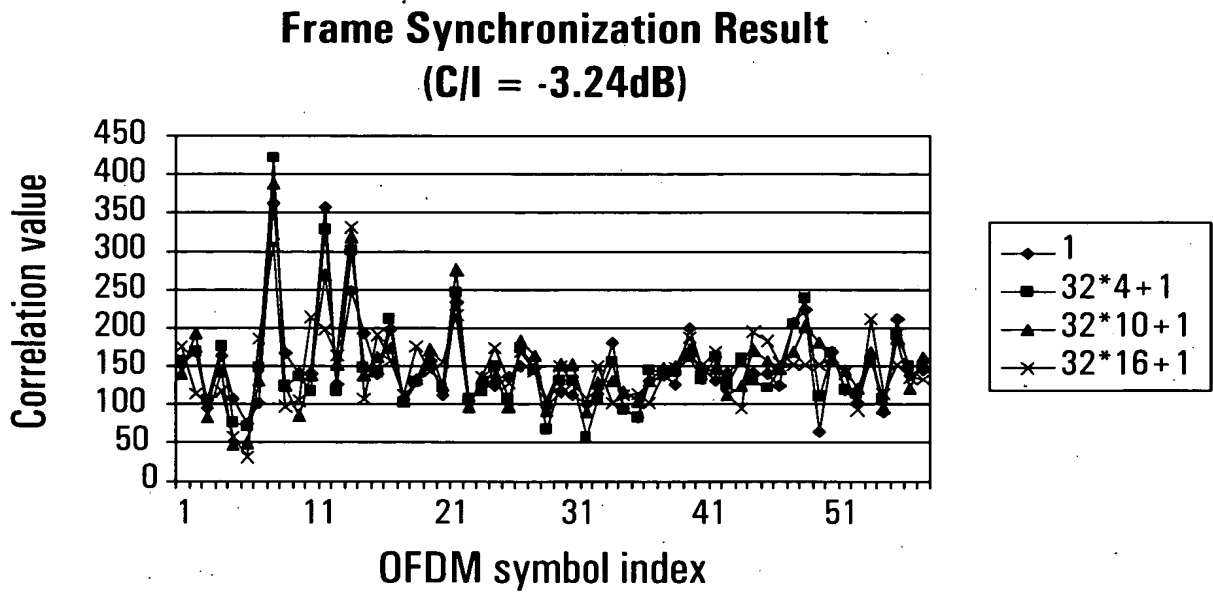
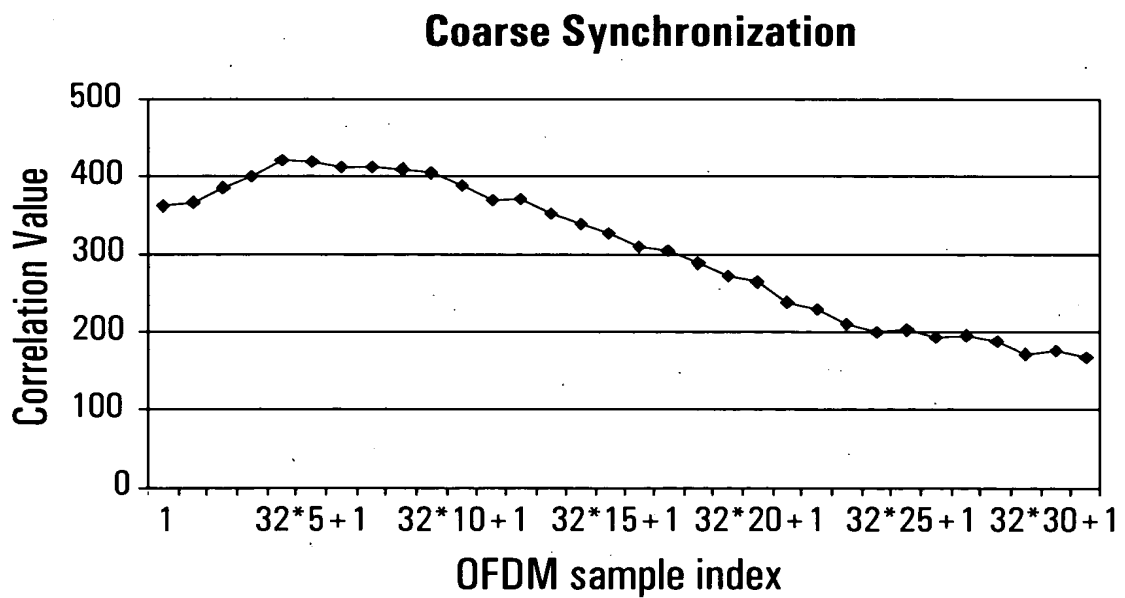


FIG. 13

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**FIG. 14**



**FIG. 15**